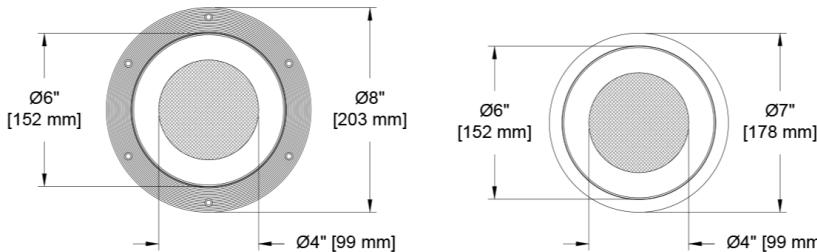


The Core Family

Welcome to the Core 6" fixed downlight where up to 4000 lumens are packaged in Specialty Lighting elegance. You will find a rich diversity of technical and aesthetic options including 2 trim apertures, over 14 finishes including custom wood trims, flux and source selections featuring 90+ CRI fixed white and our world class Ambient Dim (Warm Dim), multiple beam spreads and a plethora of driver and control choices. The Core downlight is created on a platform allowing a high degree of modification, so if you don't see what you are looking for, just ask. We are here to make your project right.



Aperture Options

6" Optical Aperture



Flat (FL) Pin Hole



Open Recess (OR)

Wood Finish
(Option for all Apertures)

PROJECT:

TYPE:

SPECIFIER:

DATE:

Key Points (CR6D-RF)

Trim

- Flanged or Flangeless
- Flangeless includes plaster flange with lip
- 14 color options + custom RAL or wood available
- One-piece die cast aluminum or machined wood trim

Source / Optics

- 2400K, 2700K, 3000K, 3500K, 4000K Ambient Dim, RGBW, Tunable White options
- 90 CRI , 60+ R9 Standard- 95 CRI 90+R9 Optional
- <2 MacAdam Steps (<2SDCM) for fixed white
- Up to 4000 delivered lumens
- 3 beamspreads available- 20°, 38° and 65°

Housing

- Heavy gauge aluminum for new construction or remodel
- **TITLE 24** Fixture supports CA Title 24 compliance to JA8 requirements with Airtight Housing
-  Listed – Damp or wet with shower trim
- Approved for 8 (4-in / 4-out) #12 AWG conductors rated for 90°C through wiring
- IC Rated / Airtight Housing approved for use in direct contact with insulation – Chicago Plenum Available

Driver

- TruPhase™, 0-10, DALI-2, DMX, Ecosystem or Wireless Control
- Flicker free to IEEE 1789-2015 available with EldoLED and TruPhase™ selections
- Prewired and integral to housing
- Universal 120-277v

Ordering Codes

PROJECT:

SPECIFIER:

DATE:

TYPE:

QUANTITY:

Ordering Code Example: CR6D-RF-0R-Z-AP-C23-35-38-E2-P14-91A-CP

Fixture	Aperture	Trim	Mounting	Source / Watts	CCT	Beam	Driver / Control	Trim Finish	Lens Accessories
CR6D-RF									
Core 6" Round Fixed Downlight	OR Open Regress	Flanged Trims	Flanged Housing	Citizen	24 2400K	20 Spot	C1 0-10 1.0%, UNV (120-277V) linear	W White Paint	Aperture Lens
	FL Flat (Pin Hole)	F Flanged Trim	U Universal - Non-IC Housing	C11 13W 1608Lm** 90+CRI, 60+R9	27 2700K	38 Flood	C2 ELV/Triac 1.0%, (120-277V) linear	91A Solite	CP Chicago Plenum
		FS Flanged Shower Trim*	AU Universal IC/Airtight*	C16 19W 2235Lm** 90+CRI, 60+R9	30 3000K	65 Wide Flood	E1 0-10 0.1%, UNV (120-277V) log	93A Frosted	EM Emergency Pack
		(for mounting choose from Flanged Housings)	Flangeless Housing	C23 27W # 3100Lm** 90+CRI, 60+R9	35 3500K		E2 DALI-2 0.1%, UNV (120-277V) log	XXA Other Aperture Lens Treatments*	Controls
		Flangeless Trims	P Plaster - Non-IC Housing	C34 38W # 4008Lm** 90+CRI, 60+R9	40 4000K	Tunable	E3 0-10 0.1%, UNV (120-277V) linear	1 piece of media per opening (aperture or reflector) can be selected.	LR Lutron Wireless RF PowPak
		Z Flangeless Trim	AP Plaster IC/Airtight*		TW1840 1800-4000K				ATH Lutron Athena Wireless Node Must be used with E2 driver
		ZS Flangeless Shower Trim*	PM Panel Mount	T9 10W 90+CRI, 60+R9 Tunable White	TW2765 2700-6500K	Tunable White w/ E1, E2, E3, E4	E4^ DMX 0.1%, UNV (120-277V) Universal DMX Driver/Controller RGBW-DMX	P01-P15 PXX Specialty Paint Color*	CA Casambi Wireless BLE to be paired with driver
		(for mounting choose from Flangeless Housings)	APM Panel Mount Airtight/IC*	T15 15W 90+CRI, 60+R9 Tunable White	RG1280 1200-8000K RGBW	Dynamic Color Changing	^ INCLUDES DMX/RDM COMPATIBLE DRIVER WITH BUILT-IN DECODER - CONTROLLER BY OTHERS	C Custom/RAL Color**	LENS ACCESSORY VISUAL GUIDE LINK
		* Aperture Lens Required		T20 21W 90+CRI, 60+R9 Tunable White			LD Digital Ecosystem 1.0%, UNV (120-277V) ECO Hi-Lume SoftOn/Fade-to-Black LDE1		
				RGBW 90+CRI, 60+R9	Ambient Dim™				
				A14 15W 858Lm 95+CRI, 90+R9	2722 * 2700-2200K *A14 Only		TR2 TruPhase™ 0.1%, (120-120V) log Up to 20W Forward and Reverse compatible Phase Dimming Static White & Ambient Dim only	FINISH GUIDE LINK	
				A20 21W 858Lm 95+CRI, 90+R9	3019 3000-1900K				
				A34 38W # 2381Lm** 90+CRI, 60+R9	3022 * 3000-2200K *A14 Only			WOOD TRIM GUIDE	
				● Supports CA Title 24 Compliance to JA8. * Requires Active Cooling and not compatible with IC/Airtight housing. Not compatible with L2 +LTT or EldoLED driver selection required and will be supplied with 2 channel version					

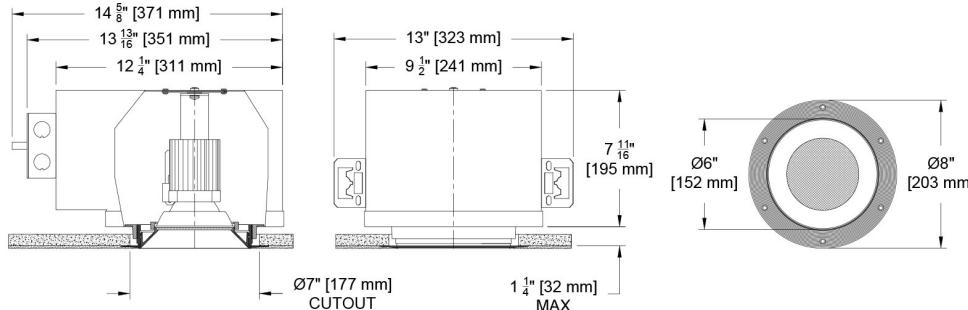
Ceiling Cutouts and Dimensions

Open Recess Shown - Flat similar

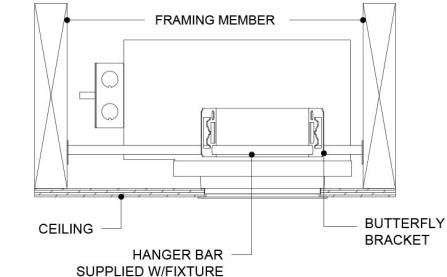
Round Flangeless Housing

Plaster Trim (P/AP)

(CR6D-RF-OR-Z-P/AP)



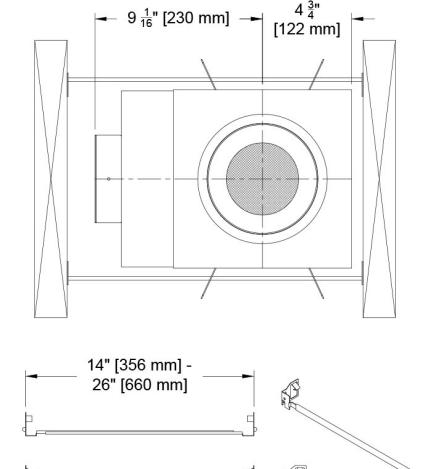
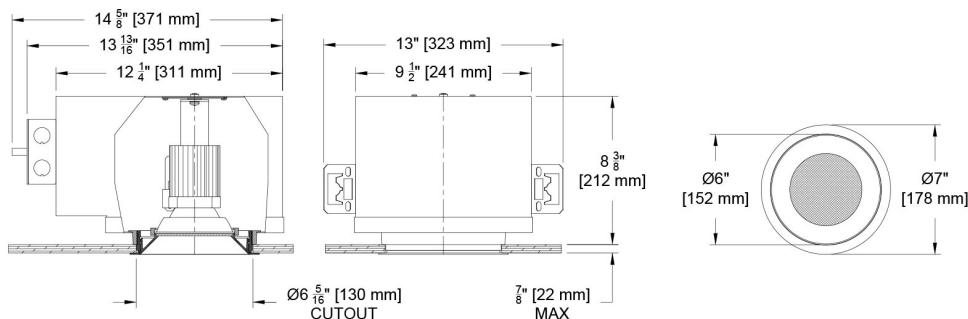
Hanger Bar Detail



Round Flanged Housing

Flanged Mount (U/AU)

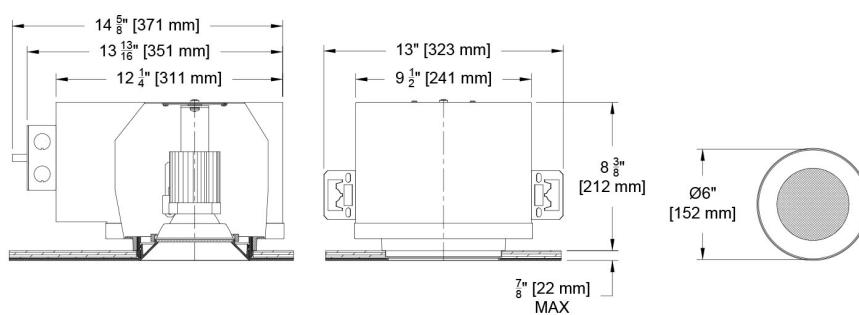
(CR6D-RF-OR-F-U/AU)



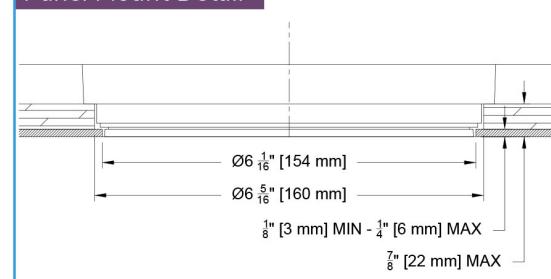
Round Flangeless Housing

Panel Mount (PM/APM)

(CR6D-RF-PM/APM-Z)



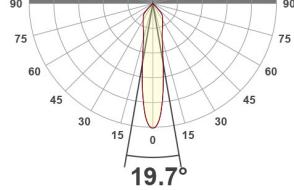
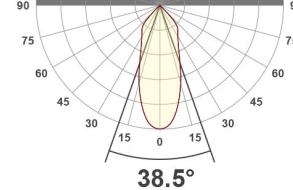
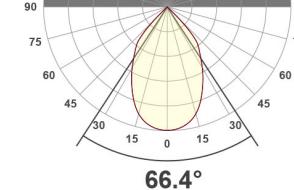
Panel Mount Detail



Photometric Table

All data is delivered lumens based from goniometer measurements of production representative product. All lumen values can vary +/- 10% from LED manufacturer rated flux range. Measurements at 3000 CCT.

Ambient Dim measured at full output.

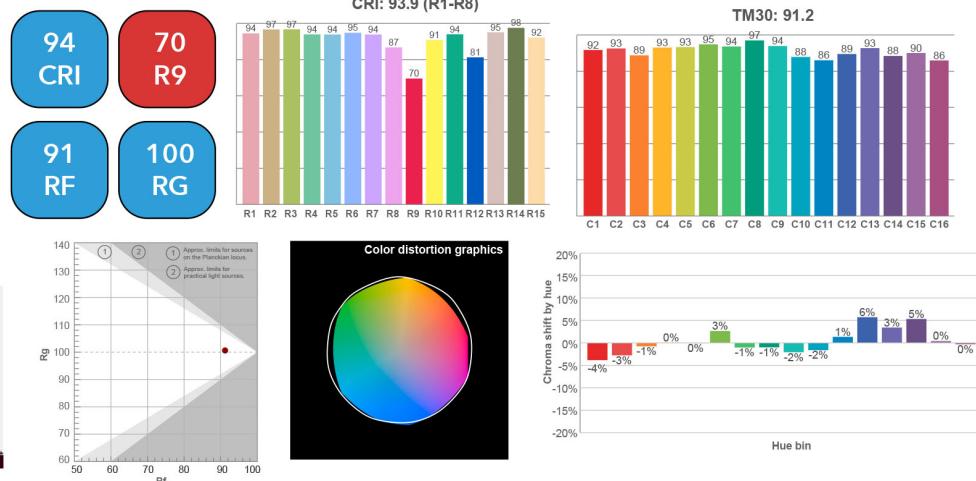
ROUND Beamspreads		20°				38°				65°				
Source	System watts (W)	Delivered Lumens (lm)	Lumens/ Watt	Peak CD	10% Field	Delivered Lumens (lm)	Lumens/ Watt	Peak CD	10% Field	Del. Lumens (lm)	Lms/ Watt	Peak CD	10% Field	
Open Regress	Citizen C11	13	1494	113	3945	84°	1478	112	2183	90°	1459	111	1340	93°
	Citizen C16	19	2126	112	5766	84°	2087	110	3066	90°	2080	109	1916	93°
	Citizen C23	27	2908	106	7845	84°	2874	105	4218	90°	2872	105	2650	93°
	Citizen C34*	38	3777	100	10203	84°	3747	100	5556	90°	3685	98	3395	93°
	Ambient Dim A34*	38	2625	70	6975	84°	2635	70	3739	90°	2633	70	2409	92°
Flat (Pin Hole)	Citizen C11	13	1608	122	4187	85°	1558	118	2220	93°	1558	118	1342	97°
	Citizen C16	19	2235	117	5632	86°	2223	116	3165	93°	2222	116	1918	97°
	Citizen C23	27	3100	113	8072	85°	3098	113	4404	93°	3074	112	2659	97°
	Citizen C34*	38	4008	107	10463	85°	3953	105	5616	93°	3945	105	3409	97°
	Ambient Dim A34*	38	2799	74	7162	85°	2798	74	3758	94°	2798	74	2379	98°
CCT Multiplier		Beam angle				Beam angle				Beam angle				
CCT	Citizen													
2700	0.94	19.7°				38.5°				66.4°				
3000	1.00													
3500	1.02													
4000	1.04													
All measurements based on 3000 CCT. Ambient Dim based on full output.														

* Requires active cooling. ISO CD plot based on Open Regress with C23 source

Color Data

Citizen Sources - C11, C16, C23 and C34

- <2 MacAdam Ellipse (<2 SDCM)
- 90+ CRI and RF
- 60+R9, Hue Bin 1



Ambient Dim A34 - 3000k to 1900k

- <3 MacAdam Ellipse (<3 SDCM)
- 95+ CRI and RF
- 90+R9, Hue Bin 1
- Follows Black Body Locus through dimming range

